

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. **ABK-001.02**
First Inventor **Han**
Title **Knowledge Acquisition and Retrieval Apparatus and Method**
Express Mail Label No. **EV327114967US**

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **25**]
(preferred arrangement set forth below)
- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table,
or a computer program listing appendix
- Background of the invention
- Brief Summary of the invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **7**]
5. Oath or Declaration [Total Sheets **1**]
a. ☐ Newly executed (original or copy)
b. ☒ Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
i. ☐ DELETION OF INVENTOR(S)
Signed statement attached (deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. ☐ Computer Readable Form (CRF)
b. Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies); or
ii. ☐ paper
c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. 3.73(b) Statement ☐ Power of
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.
17. ☒ Other: Certificate of Express Mail

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,
or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)
Prior application information: Examiner Hwang

of prior application No: 09/541,247
Art Unit: 2172

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied
under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference.
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

25181
(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

Name

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

Kevin A. Oliver

Registration No. (Attorney/Agent)

42,049

Signature

Kevin A. Oliver

Date

August 25, 2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.

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22389 U.S. PTO
10/647672



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective 01/01/2003, Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT	(\$)	375.00
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Complete if Known

Application Number	Not Yet Assigned
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Filing Date	August 25, 2003
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First Named Inventor	Han
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Examiner Name	Not Yet Assigned
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Art Unit	Not Yet Assigned
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Attorney Docket No. ABK-001.02

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money ☐ Other ☒ None
Order☒ Deposit Account

Deposit Account Number	06-1448, Ref. ABK-001.02
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Deposit Account Name	Foley Hoag LLP
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The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments
☐ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee
to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1001	750	2001	375	Utility filing fee
1002	330	2002	165	Design filing fee
1003	520	2003	260	Plant filing fee
1004	750	2004	375	Reissue filing fee
1005	160	2005	80	Provisional filing

Fee Paid
375

SUBTOTAL (1)

(\$) 375

2. EXTRA CLAIM FEES

			Extra Claims		Fee below		Fee Paid
Total Claims	15	-20	= 0	X	9	=	0
Independent Claims	1	-3	= 0	X	42	=	0
Multiple Dependent				X		=	0

Large Entity	Small Entity
<p>1. Revenue Recognition</p> <p>Revenue is recognized when it is earned and realizable, regardless of when cash is received. This is typically done using the accrual basis of accounting.</p>	<p>1. Revenue Recognition</p> <p>Revenue is recognized when cash is received, regardless of when the revenue is earned. This is typically done using the cash basis of accounting.</p>
<p>2. Expense Recognition</p> <p>Expenses are recognized when they are incurred, regardless of when cash is paid. This is typically done using the accrual basis of accounting.</p>	<p>2. Expense Recognition</p> <p>Expenses are recognized when cash is paid, regardless of when the expense is incurred. This is typically done using the cash basis of accounting.</p>
<p>3. Asset Recognition</p> <p>Assets are recognized when they are acquired, regardless of when cash is paid. This is typically done using the accrual basis of accounting.</p>	<p>3. Asset Recognition</p> <p>Assets are recognized when cash is paid, regardless of when the asset is acquired. This is typically done using the cash basis of accounting.</p>
<p>4. Liability Recognition</p> <p>Liabilities are recognized when they are incurred, regardless of when cash is paid. This is typically done using the accrual basis of accounting.</p>	<p>4. Liability Recognition</p> <p>Liabilities are recognized when cash is paid, regardless of when the liability is incurred. This is typically done using the cash basis of accounting.</p>
<p>5. Equity Recognition</p> <p>Equity is recognized when it is contributed, regardless of when cash is received. This is typically done using the accrual basis of accounting.</p>	<p>5. Equity Recognition</p> <p>Equity is recognized when cash is received, regardless of when the equity is contributed. This is typically done using the cash basis of accounting.</p>

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent.

SUBTOTAL (2)	(\$)
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***or number previously paid, if greater; For Reissues, see above*

3. ADDITIONAL FEES

Large Entity	Small Entity
<p>1. Identify the entity</p> <p>2. Identify the attributes</p> <p>3. Identify the relationships</p> <p>4. Identify the constraints</p> <p>5. Identify the security requirements</p> <p>6. Identify the performance requirements</p> <p>7. Identify the backup and recovery requirements</p> <p>8. Identify the integration requirements</p> <p>9. Identify the reporting requirements</p> <p>10. Identify the user requirements</p>	<p>1. Identify the entity</p> <p>2. Identify the attributes</p> <p>3. Identify the relationships</p> <p>4. Identify the constraints</p> <p>5. Identify the security requirements</p> <p>6. Identify the performance requirements</p> <p>7. Identify the backup and recovery requirements</p> <p>8. Identify the integration requirements</p> <p>9. Identify the reporting requirements</p> <p>10. Identify the user requirements</p>


Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	150	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17 (a)	
1806	180	1806	180	Submission of Information Disclosure Sheet	
8021	40	8021	40	Recording each patent assignment per property (limits number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee:					
*Reduced by Basic Filing Fee Paid				SUBTOTAL (\$)	(\$)*0

Other fee:

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)	(S) 0
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SUBMITTED BY _____

Name (Print/Type)	Kevin A. Oliver	Registration No. (Attorney/Agent)
Signature		

Complete (if applicable)

10473	888-1000
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Date August 25, 2003

WARNING: Information on this form may become public. Credit card information should not be

Included on this form are: **Privacy** and **Confidentiality** information and authorization on **USPTO-2538**.
This collection of information is required by 37 CFR 1.17 and 1.27. The information is requested either to obtain a benefit by the applicant to the form which is to be used by the USPTO to process an application. Confidentiality is governed by 35 USC 122 and 37 CFR 1.14. The collection is estimated to take 15 minutes to complete. Send this form to the USPTO. There will be any depending upon the individual case. Any comments on the amount of time you require to complete the form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, US Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22314-1450. Do NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22314-1450.

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Date



Signature

Kristen Willett

Typed or printed name of person signing Certificate

World Trade Center West
155 Seaport Blvd.
Boston, MA 02210

Attorney Docket No: ABK-001.02

Submission Consisting of: **Utility Application Transmittal (1 pg.); Fee Transmittal (1 pg.); Application Data Sheet (2 pgs.); Copy of executed Declaration and Power of Attorney for Patent Application (2 pgs.); Utility Patent Application consisting of Specification (25 pgs.) and Drawings (7 sheets); and a return receipt postcard.**

Burden Hour Statement: This form is estimated to take 0.03 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.